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JAPANESE MEDICAL EQUIPMENT

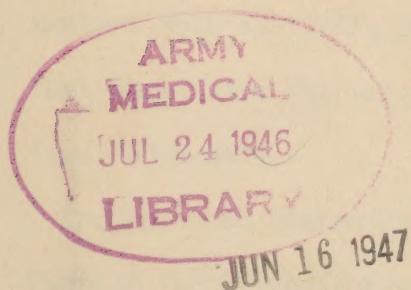
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LABORATORY, FIELD, FOR DIVISION

REPORT NO. 189

16 March 1946.

MEDICAL ANALYSIS SECTION
5250th Technical Intelligence Company
APO 500



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16 March 1946.

Laboratory, Field, for Division

SOURCE: Army Medical College, Tokyo, Japan.

IMPORTANCE: Not previously reported. Newest design of field laboratory.

DESCRIPTION: This laboratory consists of 47 chests and is incomplete.

The individual chests are 29" x 13" x 15 1/2" and are designed for hand, pole or animal carry.

The top of each chest is hinged by three metal hinges and fastened with a metal hasp. The chests are leather bound to aid in waterproofing.

Each chest has two canvas covered rope handles fastened to the chest by metal loops and long enough to permit the chest to be slung on a pole.

There are various markings on each chest. All the chests have the international Red Cross marking on the front and on each end. Each chest also has one large number on each end which indicates that chest when the set is used as a whole. There are smaller numbers such as "2/8", on each end and the front which designates that chest when the set is broken into its various components (see "comment").

The Japanese characters on each chest are interpreted as "Medical Pannier for Epidemic Prevention and Supply Depot".

Inside each lid on the left is a canvas compartment 15" x 6 1/2" x 2" which is used for paper, literature, or small pamphlets.

In this compartment is an inventory, the subtitle, and the number of the chest. On the right inside the lid is a padded wooden block 10" x 10 1/2" x 1 1/2" which fastens on the back of the chest and is used when this set is animal carried.

COMMENT: Information regarding this Field Laboratory for a Division was obtained from the First Army Hospital, Tokyo and from Lt. Gen. Taraji Shimizu.

From the information gained, this set is believed to consist of 72 chests. However, one of these chests is numbered "76" so it is probable that the complete set consisted of at least 76 chests.

The chests or set has 5 subdivisions which are as follows:

1. Reconnoitering Squad	chests	6
2. Disinfection (decontamination)		
Squad	chests	8
3. Malarial Squad	chests	2
4. Water Examining Squad	chests	8
5. Pathogenic Research Squad	chests	46

This set was designed before the war, standardized during the war, and supplanted all other laboratories in actual field use.

This complete Field Laboratory served one division and was carried by the "Water Purifying" unit of the division. This so-called "Water Purifying" unit corresponded somewhat to the U.S. Sanitary Corps, and their duties covered a much wider field than water supply. It was a laboratory unit and the "Pathogenic Research squad" made routine examinations of water, blood, feces, etc. of

the Japanese soldiers in that division.

The sections could be used separately. The "Reconnoitering Squad" could examine a bivouac area prior to its occupation by troops. The "Disinfection Squad" could be used to disinfect clothing and areas and to decontaminate areas exposed to vesicant gases. The duties of the "Water Examining Squad" and "Malarial Squad" are quite obvious.

This set was used in all theaters of operation but not in the home islands. Disease in Japan was not serious enough to warrant its use; furthermore hospitals were more readily available. It is probable that this set (obtained from the Army War College) is the only one in Japan.

Two of these sets were carried by the "Water Purifying Unit" of an Army which had a different "Table of Organization and Equipment" than the "Water Purifying Unit" of a division.

The equipment found in this unit was, in general, of standard Japanese quality and those individual items of intelligence value are reported separately.

Photographs: Fig. 1 - Complete unit, packed.
Fig. 2 - Chest containing incubator.
Fig. 3 - Chest containing laboratory glassware - petri dishes.
Fig. 4 - Chest containing laboratory glassware - test tubes.
Fig. 5 - Chest containing culture media.
Fig. 6 - Chest containing vaccines and medicines.
Fig. 7 - Chest containing microtome and accessories.
Fig. 8 - Chest containing still - assembled.
Fig. 9 - Chest containing still - disassembled.



Fig. 1 - Complete unit, packed.



Fig. 2 - Chest containing incubator.

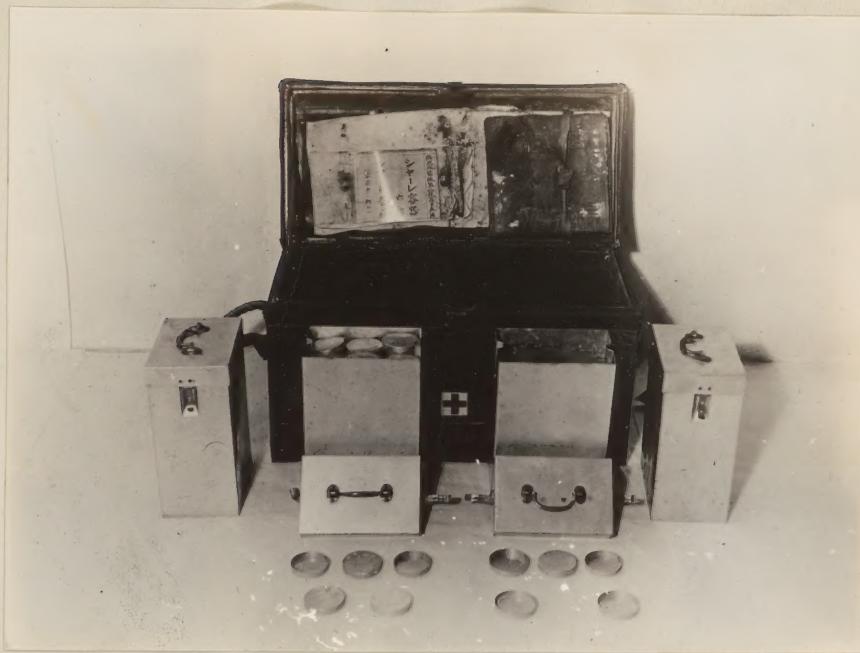


Fig. 3 - Chest containing laboratory glassware - petri dishes.



Fig. 4 - Chest containing laboratory glassware - test tubes.



Fig. 5 - Chest containing culture media.



Fig. 6 - Chest containing vaccines and medicines.



Fig. 7 - Chest containing microtome and accessories.

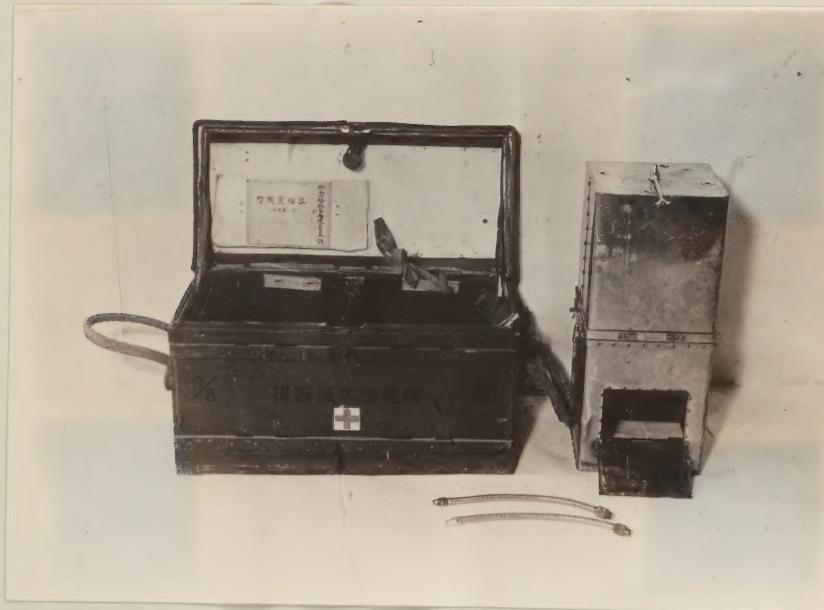


Fig. 8 - Chest containing still - assembled.



Fig. 9 - Chest containing still - disassembled.

INVENTORY OF LABORATORY, FIELD, FOR DIVISION

Medical pannier for reconnoitering squads
Box No. 2 - 2/6

1. Boil sterilizer	set	1
2. Gloves, rubber	pr	24
3. Water depth gauges and water thermometers	ea	3
4. Guide post papers	sheet	800
5. Water collectors (small)	ea	3
6. Liquid measurer	ea	1
7. Type 1939 sprayer	ea	2

Medical pannier for reconnoitering squads
Box No. 3 - 3/6

1. Containers for materials to be examined	ea	150
2. Caps, rubber	ea	150
3. Thread, hemp	roll	3
4. Tags	sheet	300
5. Solution, cresol soap, bottle of 400 g	ea	7
6. Alcohol, bottle of 400 g	ea	7
7. Liquid phenol, bottle of 400 g	ea	5
8. Tablets, corrosive sublimate	ea	1000
9. Dishes, metal, with lid	ea	48
10. Pencils, glass	doz	2
11. Candles	ea	30
12. Absorbent cotton, pressed	pkg	10
13. Gauze, pressed	pkg	10

Medical pannier for reconnoitering squads
Box No. 4 - 4/6

1. Containers for materials to be examined	ea	160
2. Caps, rubber	ea	160
3. Cotton, raw	gm	1000

This chest is identical to #5 - 5/6

Medical pannier for reconnoitering squads
Box No. 5 - 5/6

1. Containers for material to be examined	ea	160
2. Caps, rubber	ea	160
3. Cotton, raw	gm	1000

This chest is identical to #4 - 4/6

Medical pannier for pathogen research squads
Box No. 7 - 1/46

1. Sterilizer, dry heating	set	1
2. Search lamps	set	2
3. Bucket, canvas	ea	1
4. Flag, squad mask	ea	1
(a pathogen research squad)		

This chest is identical to #21 - 15/46

Medical pannier for pathogen research squads
Box No. 8 - 2/46

1. Sterilizer, high pressure	set	1
2. Accessories (kept in container)		
a. Oil-furnace	ea	1
b. Burner, gasoline	ea	1
c. Bucket, canvas	ea	1

This chest is identical to #22 - 16/46

Medical pannier for pathogen research squads
Box No. 9 - 3/46

1. Incubator	set	1
2. Incubator cover	sheet	1
3. Thermometer	ea	2
4. Lamps, alcohol	ea	4
5. Containers, alcohol (3 litres)	can	1

This chest is identical to #23 - 17/46

Medical pannier for pathogen research squads
Box No. 10 - 4/46

1. Bucket, canvas	ea	1
2. Torch lamp (blow torch)	ea	1
3. Thermometer 100°	ea	1
4. Boil sterilizer	ea	1
5. Test tube stand	ea	1
6. Kerosene lamp for search lamp	ea	1
7. Funnels	set	1
8. Electric torch (hand)	ea	3
9. Container, gasoline	ea	1
10. Search lamp	ea	1
11. Lamp, Snell	ea	4
12. Container, alcohol	ea	1
13. Cases, pipettes	ea	6
14. Pipettes		
a. 2cc	ea	300
b. 10cc	ea	60

15.	Basins, hand washing (4 ea)	set	1
16.	Pans (5 ea)	set	1
17.	Ladle	ea	1

This chest is identical to #24 - 18/46

Medical pannier for pathogen research squads
Box No. 11 - 5/46

1.	Liquid measurer	ea	2
2.	Electric torches	ea	16
3.	Bulbs, electric torches	ea	20
4.	Canvas bag:		
	a. Syringes, 2cc	doz	2
	b. Scissors for miscellaneous use	ea	1
	c. Pincher	ea	1
	d. File	ea	1
	e. Cork screw	ea	1
	f. Knife	ea	1
5.	Syringes 20cc		
6.	Spoons:		
	a. buffalo	ea	2
	b. metal	ea	2
7.	Needles, syringe	ea	16
8.	Needles, blood letting (Phlebotomy)	ea	2
9.	Forceps, long	ea	2
10.	Clasps, test tube stands		
11.	Flasks:		
	a. 1000cc	ea	4
	b. 500cc	ea	5
12.	Cotton, raw	gram	500
13.	Sprayer	ea	1
14.	Mortar medium, small each	set	1
15.	Balance, laboratory small	set	1
16.	Test tube stand (collapsible)	sets	20

This chest is identical to #25 - 19/46

Medical pannier for pathogen research squads
Box No. 12 - 6/46

1.	Box containing pigment bottles	box	1
2.	Microscope (medium size)	set	1
3.	Bottle, dropping	ea	1
4.	Ceddr oil	btl	1
5.	Mickel chrome wire holders	ea	5
6.	Platinum wire holder	ea	1
7.	Microscopic slides	ea	1000
8.	Microscopic slides, hollow	ea	100
9.	Lids, glass	ea	1000
10.	Lamps, alcohol	ea	2
11.	Irrigator	ea	1
12.	Fatigue clothes	suits	10
13.	Clothes, counter-bacteria	suits	2

This chest is identical to #26 - 20/46

Medical pannier for pathogen research squads
Box No. 14 - 8/46

1. Dishes, metal, with lid	ea	900
2. Containers, dishes, metal	ea	6

This chest is identical to #28 - 22/46

Medical pannier for pathogen research squads
Box No. 15 - 9/46

1. Serum, immunized for diagnosis, dried

a. Serum, immunized, typhoid bacillus	box	10
b. Serum, immunized, type A paratyphoid bacillus	box	10
c. Serum, immunized, type B paratyphoid bacillus	box	10
d. Serum, immunized, type C paratyphoid bacillus	box	5
e. Serum, immunized, Gaertner typhus bacillus	box	5
f. Serum, immunized, plague bacilli	box	5
g. Serum, immunized, meningococci	box	5
h. Serum, immunized, type Shyga bacteria of dysentery bacteria	box	10
i. Serum, immunized, type F bacteria of dysentery bacteria	box	10
j. Serum, immunized, type Y bacteria of dysentery bacteria	box	10
k. Serum, immunized, mannite bacteria of dysentery bacteria	box	5
l. Serum, immunized, cholera bacteria	box	10
m. Serum, standard	box	20
n. Serum, healthy rabbit, dried	box	5
2. Potassium iodide	gm	150
3. Potassium nitrite	gm	250
4. Iodine	gm	100
5. Gentian violet	gm	50
6. Lactose	gm	50
7. Arabinose	gm	25
8. Cedar oil	gm	100
9. Fuchsin	gm	50
10. Solution, Giemsa	gm	100
11. Silver nitrate	gm	25
12. Dextrose	gm	50
13. Mannite	gm	10
14. Maltose	gm	10
15. Saccharose	gm	25
16. Paradimethylaminobenzaldehyde	gm	500
17. Alcohol, pure, bottle of 500 g	ea	8
18. Tablets, corrosive sublimate, bottle of 500 g	ea	1
19. Solution, cresol soap, bottle of 500 g	ea	1
20. Methyl alcohol, bottle of 500 g	ea	1

21.	Carbolic acid, bottle of 500 g	ea	1
22.	Distilled water, bottle of 500 g	ea	1
23.	Pectin, bottle of 500 g	ea	1
24.	Salt, bottle of 500 g	ea	1
25.	Sodium hydroxide, bottle of 500 g	ea	1
26.	Gelatin, bottle of 500 g	ea	1
27.	Extracture, meat, bottle of 500 g	ea	1
28.	Hydrochloric acid, bottle of 500 g	ea	1
29.	Sulphuric acid, bottle of 500 g	ea	1
30.	Vaseline, white, bottle of 500 g	ea	1
31.	Mannose	gm	10
32.	Fuchsin S (the acid sodium salt or acid ammonium salt of a mixture of fuchsine-disulfonic acid and fuchsine-trisulfonic acid)	gm	25
33.	Lead acetate	gm	25
34.	Neutral red	gm	25
35.	Sodium thiosulphate	gm	25
36.	Potassium-sodium tartrate	gm	25

This chest is identical to #29 - 23/46

Medical pannier for pathogen research squads
Box No. 16 - 10/46

1.	3% culture base, agar-agar, dried, can of 15 kg	ea	3
2.	Test papers, density of hydrogen ion	box	4
3.	Test paper, standard table	sheet	1
4.	Sodium hydroxide	gm	5
5.	Sodium sulphite, dehydrated	gm	50
6.	Culture media, Kauffmann	box	150

This chest is identical to #30 - 24/46

Medical pannier for pathogen research squads
Box No. 17 - 11/46

1.	Culture media, aronson	box	200
2.	Culture media, Yendo	box	150
3.	Culture media, dysentery, agar-agar	box	100
4.	Culture base, Barsiekow		
a.	Mannite	box	30
b.	Dextrose	box	30
c.	Lactose	box	30
d.	Maltose	box	30
e.	Saccharose	box	30
5.	Culture media, Russell	box	50
6.	Culture base, peptone, dried	box	25

This chest is identical to #31 - 25/46

Medical pannier for pathogen research squads
Box No. 18-12/46

1.	3% culture base agar-agar (kept in container)	kg	6
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2.	Culture media, Kauffmann	boxes	96
3.	Culture media, Yendo	boxes	2
4.	Culture media, agar-agar, dysentery	boxes	3
5.	Culture media, Aronson	boxes	3
6.	Culture media, agar agar, neutral broth	boxes	8
7.	Culture base, Barsiekow	boxes	3
8.	Culture base, dried milk	boxes	40
9.	Culture base, bile	boxes	47
10.	Powder, dried bile ea 25g	btls	39
11.	Tablets Lacmus (litmus)	boxes	13

Medical pannier for pathogen research squads
Box No. 20 ~ 14/46

1.	Microscopic slides	ea	1000
2.	Microscopic slides, hollow	ea	100
3.	Lids, glass	ea	1000
4.	Wire, nickel-chrome	meters	3
5.	Test papers, density of hydrogen ion	boxes	4
6.	Ditto, standard papers	sheets	4
7.	Filter papers	sheets	20
8.	Papers, sulphuric acid	sheets	10
9.	Papers, cellophane	sheets	50
10.	Thread, hemp	meters	500
11.	Ink-stone, vermillion	ea	4
12.	Ink-sticks, vermillion	ea	16
13.	Tags, paper	sheets	50
14.	Record of results of examinations	books	3
15.	Washers	ea	15
16.	Brushes scrubbing	ea	5
17.	Mica nets	ea	5
18.	Plugs, cork	ea	30
19.	Tubes, glass	ea	30
20.	Labels	boxes	8
21.	Sucker, rubber	ea	30
22.	Rings, rubber	gram	200
23.	Pencils, glass	grams	500
25.	Pencil brushes	ea	10
26.	Culture media, Kauffmann	boxes	170
27.	Containers, living bacteria	ea	1
28.	Centrifugal distributer	set	1

This chest is identical to #34 ~ 28/46

Medical pannier for pathogen research squads
Box No. 21 ~ 15/46

1.	Sterilizer, dry heating	set	1
2.	Search lamps	sets	2
3.	Bucket, canvas	ea	1
4.	Flag, squad mask (pathogen research squad)	flag	1

This chest is identical to #7 ~ 1/46

Medical pannier for pathogen research squads
Box No. 22 - 16/46

1. Sterilizer, high pressure	set	1
2. Accessories (kept in container)		
a. Oil-furnace	ea	1
b. Burner, gasoline	ea	1
c. Bucket, canvas	ea	1

This chest is identical to #8 - 2/46

Medical pannier for pathogen research squads
Box No. 23 - 17/46

1. Incubator (collapsible)	set	1
2. Incubator cover	sheet	1
3. Thermometers	ea	2
4. Lamps, alcohol	ea	4
5. Containers, alcohol 3 liters	can	1

This chest is identical to #9 - 3/46

Medical pannier for pathogen research squads
Box No. 24 - 18/46

1. Torch lamp	ea	1
2. Thermometers		
a. 100°	ea	1
b. 200°	ea	1
3. Funnels	set	1
4. Test tube stands	set	1
5. Boil-sterilizer	set	1
6. Container, gasoline	set	1
7. Alcohol	set	1
8. Hand electric torches	set	3
9. Lamps, snell	set	4
10. Containers, pipettes	set	6
11. Pipettes		
a. 20cc	ea	300
b. 10cc	ea	60
12. Basins hand washing 4 ea	set	1
13. Pans 3 ea	set	1
14. Ladle	ea	1

This chest is identical to #10 - 4/46

Medical pannier for pathogen research squads
Box No. 25 - 19/46

1. Liquid measurers	ea	2
2. Electric torches	ea	16
3. Bulbs, electric torches	ea	20
4. Syringes, 2cc	doz	2
5. Canvas bag:		
a. Scissors for miscellaneous use	ea	1
b. Pincher	ea	1

c.	File	ea	1
d.	Cork screw	ea	1
e.	Knife	ea	1
6.	Syringes 20cc	ea	6
7.	Spoons		
a.	buffalo	ea	2
b.	metal	ea	2
8.	Needles, syringe	ea	16
9.	Needles, blood letting (phlebotomy)	ea	2
10.	Forceps, long	ea	2
11.	Clasps, test tube stands		
12.	Flasks		
a.	1000cc	ea	4
b.	500cc	ea	5
13.	Cotton, raw	gram	500
14.	Sprayer	ea	1
15.	Mortar		
a.	medium	set	1
b.	small	set	1
16.	Balance, laboratory small	set	1
17.	Test tube stand (collapsible)	sets	20

This chest is identical to #11 - 5/46

Medical pannier for pathogen research squads
Box No. 26 - 20/46

1.	Box, pigments bottles	ea	1
2.	Microscope (medium size)	set	1
3.	Bottle, dropping	ea	1
4.	Cedar oil	btl	1
5.	Nickel chrome wire holders	ea	5
6.	Platinum wire holders	ea	1
7.	Microscopic slides, hollow	ea	100
8.	Microscopic slides	ea	1000
9.	Lids, glass	ea	1000
10.	Lamps, alcohol	ea	2
11.	Irrigator	ea	1
12.	Fatigue clothes	suits	10
13.	Clothes, counter-bacteria	suits	2

This chest is identical to #12 - 6/46

Medical pannier for pathogen research squads
Box No. 27 - 21/46

1.	Containers, test tube		
a.	large	ea	2
b.	medium	ea	8
c.	small	ea	15
2.	Test tubes		
a.	large	ea	90
b.	medium kept in	ea	650
c.	small containers	ea	1250

This chest is identical to #13 - 7/46

Medical pannier for pathogen research squads
Box No. 28 - 22/46

1. Containers, dishes, metal with lid	cans	6
2. Dishes, metal with lid (kept in containers)	ea	900

This chest is identical to #14 - 8/46

Medical pannier for pathogen research squads
Box No. 29 - 23/46

Exactly the same as box #15 - 9/45

Medical pannier for pathogen research squads
Box No. 30 - 24/45

1.	3% culture bases, agar-agar, dried (kept in a container) (ea 15 kg)	cans	3
2.	Test papers, density of hydrogen ion	boxes	4
3.	Ditto, standard table	sheet	1
4.	Sodium hydroxide	gram	5
5.	Sodium sulphite, dehydrated	gram	50
6.	Culture medium, kauffmann	boxes	150

This chest is identical to #16 - 10/46

Medical pannier for pathogen research squads
Box No. 31 - 25/46

1. Culture medium Aronson	boxes	200
2. Culture medium, Yendo	boxes	150
3. Culture medium, dysentery, agar agar	boxes	100
4. Culture base, Barsiekow		
a. Mannite	boxes	30
b. Dextrose	boxes	30
c. Lactose	boxes	30
d. Maltose	boxes	30
e. Saccharose	boxes	30
5. Culture medium, Russell	boxes	50
6. Culture base, peptone, dried	boxes	25

This chest is identical to #17 - 11/46

Medical pannier for pathogen research squads
Box No. 32 - 26/46

1. 3% culture base, dried agar agar (kept in containers).	kgs	6
2. Culture medium, aronson	boxes	180

3.	Bile powder, dried	boxes	42
4.	Tablets, lacmus	boxes	20
5.	Culture base, dried milk	boxes	50
6.	Culture base, dried kingersheiem	boxes	
	a. Levulose	boxes	10
	b. Maltose	boxes	10
	c. Dextrose	boxes	10
7.	Culture base, bile	boxes	50

Medical pannier for pathogen research squads
Box No. 33 - 27/46

1.	Cotton, raw	gram	1600
2.	Thread, hemp	gram	1000
3.	Gauze, pressed	pkg	36
4.	Absorbent cotton, pressed	pkg	36

Medical pannier for pathogen research squads
Box No. 34 - 28/46

1.	Microscopic slides	ea	1000
2.	Microscopic slides, hollow	ea	100
3.	Lids, glass	ea	1000
4.	Wire, nickel chrome	meters	3
5.	Test papers, density of hydrogen ion	boxes	4
6.	Ditto, standard papers	sheets	4
7.	Filter papers	sheets	20
8.	Papers		
9.	Papers, cellophane	sheets	50
10.	Thread, hemp	meters	500
11.	Ink-stone, vermillion	ea	4
12.	Ink-sticks, vermillion	ea	16
13.	Tags, paper	sheets	50
14.	Record of results of examinations	books	3
15.	Washers	ea	15
16.	Brushes, scrubbing	ea	5
17.	Mica nets	ea	5
18.	Plugs cork	ea	30
19.	Tubs, glass	ea	30
20.	Labels	boxes	8
21.	Suckers, rubber	ea	30
22.	Rings, rubber	gram	200
23.	Pencils, glass	doz	4
24.	Plastilina	gram	500
25.	Pencil brushes	ea	10
26.	Culture media, Kauffmann	boxes	170
27.	Containers, living bacteria	ea	1
28.	Centrifugal distributer	set	1

This chest is identical to #20 - 14/46

Medical pannier for pathogen research squads
Box No. 49 - 43/46

1. Record of autopsy (see MTR #183)	sheet	150
2. Methods of pathological autopsy	book	1
3. Bottles, material	ea	24
4. Aprons, rubber	ea	4
5. Formalin, bottle of 500 g	ea	8
6. Solution, cresol soap, bottle of 500 g	ea	1
7. Kit, dissecting	set	4
8. Gloves, knitted	pr	12
9. Tags, wooden	ea	300
10. Gloves, rubber	pr	24
11. Vats	ea	3
12. Thread, hemp	roll	5
13. Soap	piece	6

Medical pannier for pathogen research squads
Box No. 50 - 44/46

1. Absorbent cotton, pressed	pkg	15
2. Alum	gm	500
3. Talc	gm	500
4. Liquid measurer, 100 cc	ea	1
5. Balsam	gm	50
6. Citric acid	gm	25
7. Potassium iodide	gm	50
8. Ferric sesquichloride	gm	50
9. Lithium carbonate	gm	50
10. Sudan III	gm	25
11. Cedar oil	gm	25
12. Gentian violet	gm	25
13. Methylene blue	gm	25
14. Sodium iodate	gm	25
15. Pure alcohol, bottle of 500 g	ea	4
16. Alcohol, bottle of 500 g	ea	4
17. Xylol, bottle of 500 g	ea	2
18. Creosote, bottle of 500 g	ea	2
19. Chloroform, bottle of 500 g	ea	1
20. Glycerin, bottle of 500 g	ea	1
21. Sodium sulphate, bottle of 500 g	ea	1
22. Corrosive sublimate, bottle of 500 g	ea	1
23. Potassium bichromate, bottle of 500 g	ea	1
24. Chloral hydrate, bottle of 500 g	ea	1
25. Hydrochloric acid, bottle of 500 g	ea	1
26. Sodium thiosulphate, bottle of 500 g	ea	1
27. Formalin, bottle of 500 g	ea	1
28. Resorcin	gm	25
29. Iodine	gm	25
30. Carmine	gm	25
31. Eosin	gm	25
32. Fuchsin S (the acid sodium salt or acid ammonium salt of a mixture of fuchsin-disulfonic acid and fuchsin-trisulfonic acid)	gm	50
33. Hematoxylin	gm	50
34. Fuchsin	gm	25
35. Picric acid	gm	50

Medical pannier for pathogen research squads
Box No. 51 - 45/46

1.	Cases, microscopic slides, wooden	boxes	2
2.	Clothes, counter-bacteria	suits	2
3.	Strrops, leather for microtome	ea 3	set 1
4.	Box, specimens dyeing	box	1
5.	Microscopic slides	ea	1000
6.	Balance, laboratory	set	1
7.	Grind stone	ea	1
8.	Box, weights for balance	set	1
9.	Case, handled for grind-stone	ea	1
10.	Paster	set	1
11.	Lids, glass	ea	1000
12.	Gauze, pressed	pkg	10
13.	Absorbent cotton	pkg	5
14.	Paraffin, solid	gram	3000

Medical pannier for pathogen research squads
Box No. 52 - 46/46

1.	Frame for drying microscopic slide	ea	3
2.	Box containing bottles for dehydrating and solidifying	set	1
3.	Wooden chips	ea	200
4.	Microtome (large)	set	1
5.	Paper boxes	ea	5
6.	Tubs, water	ea	5
7.	Wooden boxes	ea 3	set 1
8.	Funnel	ea	1
9.	Box containing reagents bottles	boxes	2
10.	Labels	pieces	1000

Medical pannier for water examining squads
Box No. 53 - 1/8

1.	Thermometer	ea	1
2.	Washers	ea	6
3.	Kit, gas measurer		
	a. Pipettes, type komagome (with rubber sucker) 1cc	ea	10
	b. Burettes 25cc colorless, brown	ea	2
	c. Mes-pipettes 10cc, 50cc	ea	2
	d. Pipettes 10cc, 50cc	ea	2
	e. Suckers, rubber	ea	20
4.	Capillary pipettes	ea	30
5.	Tubes, colour comparison (50cc)	ea	2
6.	Test tube stand, collapsible	set	1
7.	Test tubes		
	a. medium size	ea	28
	b. small size (for coagulation)	ea	9

8. Tubes, round, graduated			
a. 250cc	ea	1	
b. 200cc (with plug)	ea	1	
c. 100cc	ea	2	
d. 50cc	ea	2	
9. Flasks, graduated			
a. 500cc colorless, brown	ea	1	
b. 100cc brown	ea	1	
10. Tubes, color comparison 50cc	ea	8	
11. Mortar	ea	1	
12. Beakers			
a. 100cc	ea	3	
b. 200cc	ea	3	
13. Dishes, evaporating			
a. large	ea	1	
b. small	ea	1	
14. Dishes, watch	ea	10	
15. Flasks, cone			
a. 100cc	ea	2	
b. 200cc	ea	2	
1. colorless	ea	1	
2. brown	ea	1	
c. 500cc	ea	2	
16. Funnels, glass			
a. medium	ea	6	
b. small	ea	3	

Medical pannier for water examining squads
Box No. 54 - 2/8

1. Plugs, cork diameter			
a. 25mm	ea	24	
b. 18mm	ea	24	
2. Plugs, rubber			
a. No. 4	ea	12	
b. No. 8	ea	12	
3. Electric torches	ea	3	
4. Spare electric bulbs (for electric torches)	ea	30	
5. Papers, powder medicine wrapping	pcs	1000	
6. Labels			
a. Large	ea	200	
b. Small	ea	200	
7. Ph test papers	bundles	21	
a. PR	bundles	7	
b. BTB	bundles	7	
c. BGP	bundles	7	
8. Ph test papers (standard table of changes of colors)	books	5	
9. Test papers red, blue, colored	ea	120	
10. Pencils, glass, red, blue, colored ea	doz	1	
11. Rods, glass diameter 3mm, 5mm	ea	2	
12. Filter papers large size	sheets	20	

13.	Tubes, glass, internal diameter 4.5mm, 5.5mm	ea	5.5
14.	Flags, squad mask (for water examining squads)	flags	2
15.	Absorbent cotton, pressed	gram	700
16.	Gauze, pressed	rolls	8
17.	Paper tags	pcs	300
18.	Tube, rubber, diameters 8mm	meters	12
19.	Chart for listing the result of water examination	bks	10
20.	Gauze, isolated chlorine measuring form A.C. type A	set	1
21.	Beak-tube for spray bottle	ea	1
22.	Letter papers	bks	5
23.	Directions of water examining	bks	5
24.	Nets, copper	ea	10
25.	Disinfecter, tips of finger	ea	1
26.	Solution, standard enduring color comparison	set	1
27.	The contents of a box containing miscellaneous equipment		
a.	Cork borer	ea	1
b.	Plier	pr	1
c.	Forceps	pr	2
d.	Knife	ea	1
e.	Scissors	pr	1
f.	File	ea	1
g.	Cork screw	ea	1
h.	Magnets	ea	2
i.	Loupe	ea	1
28.	Spray bottle 500cc	btl	1
29.	Flasks, cone 500cc	ea	3

Medical pannier for water examining squads
Box No. 55 - 3/8

1.	Bottle, glass (for distilling water, 2000cc)	btl	1
2.	Burettes (other wise these can be used as funnel stands)	sets	2
3.	Box containing reagent bottles	set	1
a.	Reagent bottles, thin glass	cc	10
b.	Reagent bottles, colorless	btl	20
c.	Reagent bottles, brown	btl	20
4.	Buckets, canvas	ea	2

Medical pannier for water examining squads
Box No. 56 - 4/8

1.	Type Katsuya Ishii quick field water examiner	sets	2
2.	Lamps, snell	ea	5
3.	Lamps, alcohol	ea	1

4.	Type Katsuya Ishii boxes, water examining	set	20
5.	Hydrochloric acid, bottle of 500 g	ea	2
6.	Acetic acid, icy, bottle of 500 g	ea	2
7.	N/100 solution, potassium permanganate, bottle of 500 g	ea	2
8.	Ammonia water, bottle of 500 g	ea	1
9.	Capsule, bottle of 450 g	ea	2

Medical pannier for water examining squads
Box No. 57 - 5/8

1.	Type Katsuya Ishii arsenic examiner for poison water	ea	10
2.	Liquid colorimeter for iron, nitric acid and phosphuric acid	ea	1
3.	Electric torch	ea	1
4.	Liquid measurer	ea	2
5.	Dry cell	ea	2
6.	Miscellaneous metal dipper with wooden handles	ea	3

Medical pannier for water examining squads
Box No. 58 - 6/8

1.	Sodium bisulphite	gm	100
2.	Selenium dioxide	gm	25
3.	Iodine pentaoxide	gm	25
4.	Picric acid	gm	100
5.	Ammonium oxalate	gm	100
6.	Lead acetate	gm	100
7.	Tin chloride	gm	25
8.	Potassium chromate	gm	100
9.	Tartaric acid	gm	50
10.	10% tartaric acid	gm	50
11.	Solution, sodium sulphide	gm	50
12.	Sodium sulphide	gm	50
13.	Diphenylamine	gm	25
14.	Mercury biniodide	gm	50
15.	Potassium permanganate	gm	100
16.	Oxalic acid	gm	100
17.	Carbon tetrachloride	gm	500
18.	Distilled water	gm	2000
19.	Olive oil	gm	1500
20.	Glycerin	gm	500
21.	Nitrous acid	gm	500
22.	Oxalic acid	gm	100
23.	Sulphuric acid	gm	1000
24.	Potassium chloride	gm	100
25.	Ammonium molybdate	gm	100
26.	Hydroquinone	gm	25
27.	Potassium phosphate	gm	25
28.	Soaps, solidity measuring	gm	100

29.	Calcium carbonate, pure	gm	50
30.	Phenolphthalein	gm	25
31.	Methyl orange	gm	25
32.	Vaseline, white	gm	50
33.	Alpha-naphthylamine	gm	25
34.	Brucine	gm	25
35.	Sulphuric acid	gm	150
36.	Reagent, Nessler's	gm	200
37.	Potassium hydroxide	gm	500
38.	Ammonium chloride	gm	500
39.	Sodium sulphite, dehydrated	gm	500
40.	Sodium hydroxide	gm	500
41.	Bleaching powder	gm	500
42.	Potassium thiocyanate	gm	500
43.	Sodium carbonate	gm	500

Medical pannier for water examining squads
Box No. 59 - 7/8

1. Field distillatory (type square No. 3) set 1

Medical pannier for disinfection squads
Box No. 62 - 2/8

1.	Bleaching powder, high degree, box of 12 ampoules	ea	24
2.	Paper, powder medicine wrapping	sheet	1000
3.	Balance, laboratory, hanging	set	1
4.	Calcium hypochlorite, bottle of 500 g	ea	5
5.	Alcohol, bottle of 500 g	ea	1
6.	Neoxylon, bottle of 1000 g	ea	10
7.	Formalin, bottle of 500 g	ea	3
8.	Solution, orthotolidine hydrochloride, box of 10 ampoules	ea	2
9.	Potassium permanganate, bottle of 500 g	ea	2
10.	Placards telling "already disinfected"	sheet	200

This chest is identical to #64 - 4/8

Medical pannier for disinfection squads
Box No. 63 - 3/8

1.	Scoop (small) with canvas case	ea	1
2.	Canvas bag:		
a.	Scissors for miscellaneous use	ea	1
b.	Knife	ea	1
c.	Tweezers, gauze	ea	3
d.	Forceps, long	ea	3
e.	Pincher	ea	1
f.	Hammer	ea	1
g.	Screw driver	ea	1

3.	Electric torches	ea	14
4.	Flags, explaining directions to a disinfection squad	ea	3
5.	Flags, squad (disinfection squad)	ea	3
6.	Sterilizers, finger tips	ea	2
7.	Hand electric torch	ea	1
8.	Loupe, three glasses	box	1
9.	Tape, cotton	roll	1
10.	Gauze pressed	pkg	5
11.	Absorbent cotton, pressed	pkg	1
12.	Tape, measuring	ea	1
13.			

Medical pannier for disinfection squads

Box No. 64 - 4/8

1.	Bleaching powder, high degree, box of 12 ampoules	ea	24
2.	Papers, powder medicine wrapping	sheet	1000
3.	Balance, laboratory, hanging	set	1
4.	Calcium hypochlorite, bottle of 500 g	ea	5
5.	Alcohol, bottle of 500 g	ea	1
6.	Neoxylon, bottle of 1000 g	ea	10
7.	Formalin, bottle of 500 g	ea	3
8.	Solution, orthotolidine hydrochloride, box of 10 ampoules	ea	2
9.	Potassium permanganate, bottle of 500 g	ea	2
10.	Placards telling "already disinfected"	sheet	200

This chest is identical to #62 - 2/8

Medical pannier for disinfection squads

Box No. 68 - 8/8

1.	Bleaching powder, high degree, box of 12 ampoules	ea	60
2.	Calcium hypochlorite, bottle of 500 g	ea	6
3.	Formalin, bottle of 500 g	ea	2
4.	Alcohol, bottle of 500 g	ea	1
5.	Tablets, corrosive sublimate	ea	500
6.	Hydrochloric acid, bottle of 500 g	ea	1
7.	Orthotolidine, bottle of 250 g	ea	1
8.	Sulphur, bottle of 500 g	ea	1
9.	Solution, cresol soap, bottle of 500 g	ea	1
10.	Potassium cyanide, bottle of 250 g	ea	1
11.	Arsenous acid, bottle of 500 g	ea	2
12.	Solution, orthotolidine hydrochloride	box	10
13.	Potassium permanganate, bottle of 500 g	ea	2
14.	Search lamp	ea	1

Malaria medical pannier
Box No. 76 - 2/2

1.	Microscope (small	ea	10	
2.	Solution giemsa	gram	1000	
3.	Adhesive plaster, zinc oxide	rolls	5	
4.	Glass pencils	doz	2	
5.	Vats, dyeing	ea	7	
6.	Frames, microscopic slides drying	ea	20	
7.	Alcohol, pure	ea 500g	btl	2
8.	Water, distilled	500g	btl	1
9.	Alcohol, methyl	ea 500g	btl	3
10.	Box, pipettes	set	1	
11.	Petroleum benzene	500g	btl	1
12.	Cedar oil	500g	btl	1
13.	Absorbent cotton, pressed	gram	1500	
14.	Gauze, pressed	gram	1650	
15.	Microscopic slides	ea	1200	
16.	Tubes, round, graduated	ea	2	